

# Material Safety Data Sheet (MSDS)

**Product Name:** Ascorbic Acid IP Grade/ VITAMIN C

**MSDS Generate Date:** 20-05-2017

**Revision Date:** 30-12-2024

## Supplier:

Rawpharma Biz Pvt Ltd

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## 1. Identification of the Substance/Preparation and Company

- **Chemical Name:** Ascorbic Acid
- **Synonyms:** Vitamin C
- **CAS Number:** 50-81-7
- **Molecular Formula:**  $C_6H_8O_6$
- **Molecular Weight:** 176.12 g/mol

## 2. Composition / Information on Ingredients

- **Substance:** Ascorbic Acid
- **Purity:** IP Grade,  $\geq 99\%$
- **Hazardous Components:** None under normal use

## 3. Hazards Identification

- Non-toxic in normal usage
  - May cause irritation to eyes and skin upon prolonged contact
  - Dust may cause minor respiratory irritation
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#### 4. First-Aid Measures

- **Inhalation:** Move to fresh air, consult a physician if irritation persists
  - **Skin Contact:** Wash with soap and water
  - **Eye Contact:** Rinse with plenty of water for at least 15 minutes
  - **Ingestion:** Drink water, seek medical attention if large amounts are ingested
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#### 5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, CO<sub>2</sub>, foam
  - **Special Hazards:** Emits CO<sub>2</sub> and CO on combustion
  - **Protective Equipment:** Use self-contained breathing apparatus and protective clothing
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#### 6. Accidental Release Measures

- Avoid dust formation
  - Sweep up and place in suitable container for disposal
  - Wash affected area with water
  - Avoid inhalation of dust
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#### 7. Handling and Storage

- **Handling:** Avoid inhalation of dust and prolonged contact with skin and eyes
  - **Storage:** Store in a cool, dry, well-ventilated area
  - **Packaging:** Keep tightly closed in original containers
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#### 8. Exposure Controls / Personal Protection

- **Engineering Controls:** Ensure adequate ventilation
- **Respiratory Protection:** Dust mask or respirator
- **Hand Protection:** Gloves
- **Eye Protection:** Safety goggles
- **Skin Protection:** Protective clothing

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## 9. Physical and Chemical Properties

- **Appearance:** White to off-white crystalline powder
- **Odor:** Odorless
- **Solubility:** Soluble in water, slightly soluble in alcohol
- **Melting Point:** 190–192°C (decomposes)
- **pH:** 2.0–3.5 (1% solution)
- **Density:** 1.65 g/cm<sup>3</sup>

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## 10. Stability and Reactivity

- Stable under recommended storage conditions
- Sensitive to light and air
- Reacts with strong oxidizing agents

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## 11. Toxicological Information

- Low acute toxicity
- Non-carcinogenic, non-mutagenic
- May cause mild irritation to eyes, skin, and respiratory tract

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## 12. Ecological Information

- Biodegradable
- Non-persistent in water or soil

- Low toxicity to aquatic life

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### 13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Avoid releasing large amounts into water bodies

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### 14. Transport Information (Detailed)

- **UN Number:** Not classified as hazardous
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Non-hazardous to the environment
- **Transport Precautions:**
  - Avoid generating dust during handling and transportation
  - Store in tightly closed containers during transport
  - Protect from moisture and direct sunlight
  - Ensure vehicles are clean and dry to prevent contamination
  - Segregate from strong oxidizing agents and acids during transportation
- **Mode of Transport:** Suitable for road, rail, sea, and air transport under non-hazardous classification

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### 15. Regulatory Information

- Complies with IP (Indian Pharmacopoeia) standards
- Not classified as a hazardous chemical under OSHA / GHS regulations

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### 16. Other Information

- **Disclaimer:** Information provided is based on current knowledge and intended for safety purposes only. Not a warranty of product quality or suitability.

- **MSDS Generate Date:** 20-05-2017
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- **Website:** [www.rawpharmabiz.com](http://www.rawpharmabiz.com)
- MSDS are based on the manufacturer's provided information.